

Patent Abstracts of Japan

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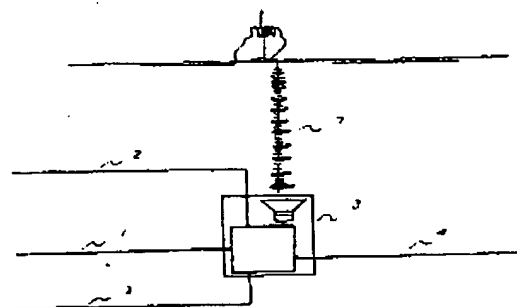
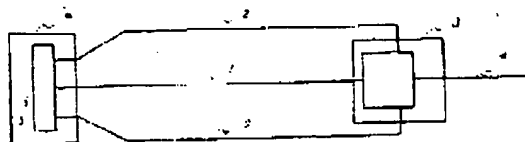
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TITLE : SUBMARINE CABLE
COMMUNICATION SYSTEM



ABSTRACT : PURPOSE: To prevent operation stop for a long term due to a fault of a shore end cable by installing >2 routes of shore end cables from a coast terminal station to a coast ocean section and connecting the said cable to the main cable via a remote switching device for submarine installation.

CONSTITUTION: If a fault takes place in the active shore end cable 1, a signal representing occurrence of a fault by a fault signal detector 5 of a terminal station 6, information switched to a spare cable is transmitted via a control signal transmission line in an optical cable, a remote control switching device 3 is driven and the cable is switched to the spare shore end cable 2. In Fig., 4 is the main submarine cable. If a fault takes place in the shore end cable, the signal of occurrence of a fault is detected by a terminal station, the faulty cable is confirmed, a ship sails on a sea area where the remote control switching device is installed, an ultrasonic wave is transmitted from a remote control signal 7 whose address is designated in advance from the ship, a signal receiver of the remote control switching device 3 is responded thereto, the switching device is driven and the cable is switched to the spare shore end cable 2.

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